



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for May 31, 2013
Ed Kearns, Acting Chief

	CDR PI TM		Assessment		Deliver source code sample and README draft	Deliver Drafts					Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release		
			Assemble IPT	Perform Assessment		Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Submit Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Put dataset on THREDDS access server	Put data, docs, and code on web page	Conduct ORR
1	UAT 4Layer MW RSS	Mears Kim	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	29-Jan	7-Feb	30-Jan	30-Jan	7-Feb	11-Feb	14-Feb
2	MW Imager SSM/I(S)	Kummerow Semunegus	x	x	19-Apr	x	x	x	x	23-Apr		26-Apr	26-Apr		x	3-May					30-May									July 2013
3	PERSIANN	Soorosh Nelson	x	x	26-Feb	30-Jan	x	30-Nov	28-May	Info in ATRACS	4-Mar	22-Feb	22-Jan	17-May				17-May												Aug 2013
4	AMSU-A FCDR (11 Channels)	Zou Semunegus	x	x	29-Apr	6-May	6-May	6-May	29-Apr	Info in ATRACS		8-May	8-May	8-May	1-May															Sep 2013
5	MSU FCDR (3 Channels)	Zou Semunegus	x	x	29-Apr	6-May	6-May	6-May	29-Apr	Info in ATRACS		8-May	8-May	8-May	1-May															Sep 2013
6	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	15-Jul	30-Jun	30-Jun	30-Jun	15-Jul	15-Jul	15-Jul	15-Jul	15-Jul	20-Jul	20-Jul	30-Jul	20-Jul	20-Jul	20-Jul	20-Jul	30-Jul	30-Jul	5-Aug	5-Aug	8-Aug	5-Aug	5-Aug	10-Aug	10-Aug	Aug 2013
7	OISST	Reynolds Banzon	x	x	x	x	30-Jun	x	x	x	x	x	x		x	x					x	x					x	x	x	FY13 BU
8	Bended Sea Winds	Zhang Zhang																												FY13 BU
9	HIRS FCDR	Menzel Young	x	31-Jan																										FY13 BU
10	Cloud/ Moisture Bundle	Menzel Young	x	31-Jan																										Nov 2013
11	Ocean Surface Bundle	Clayson Zhang	x	21-Feb																										Nov 2013
12	ISCCP	Rossow Knapp	x	17-Jan	On hold until funding																									FY14
13	OLR Daily	HT Lee Shi	x	x																										Dec 2013
14	Vegetation (Sfc Reflectance)	Vermote Matthews	x	17-Jan	22-May				22-May																					Dec 2013
15	Vegetation (NDVI)	Vermote Matthews	x	17-Jan	22-May				22-May																					Dec 2013
16	MSU/AMSU Temp Suite	Ho Shi	x	PI requested 1 yr ext																										FY14
17	AVHRR FCDR (5 chs, 4 chs)	Minnis Young																												Mar 2014
18	Cryosphere (APP FCDR)	Key Peng	x	x																										Jun 2014
19	Cryosphere (APP-x TCDR)	Key Peng	x	x																										Jun 2014
20	Stratospheric Ozone	Rosenlof ?																												FY14
21	Stratospheric Water Vapor	Rosenlof ?																												FY14
22	Solar Irradiance (Oservational)	Pilewski Zhao	x	1-Jan																										FY14
23	Solar Irradiance (Composite)	Lean Zhao	x	1-Jan																										FY14

	CDR	PI TM	Assessment		Deliver Drafts					Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release				
			Assemble IPT	Perform Assess- ment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Submit Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Put dataset on THREDDS access server	Put data, docs, and code on web page	Conduct ORR	
1	UAT 4Layer MW RSS	Mears Kim	1)	Complete	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	28-Jan	7-Feb	28-Jan	28-Jan	7-Feb	11-Feb	14-Feb		
2	MW Imager SSM/I(S)	Kummerow Semunegus	2)	Received base data and SSMI CDR data on hard drives; ICDR ready to pull and start daily production; Started ORR checklist																											July 2013
3	PERSIANN	Soorosh Nelson	3)	SA info submitted in ATRACS; received netCDF samples; received second draft of C-ATBD																											Aug 2013
4	AMSU-A FCDR (11 Channels)	Zou Semunegus	4)	PI updated metadata based on feedback received																											Sep 2013
5	MSU FCDR (3 Channels)	Zou Semunegus	5)	PI updated metadata and flow diagram based on feedback received; also sent updated source code																											Sep 2013
6	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	6)	Out of office until mid June, but sent a schedule to deliver docs in June, data and code in July.																											Aug 2013
7	OISST	Reynolds Banzon	7)	C-ATBD expected in June																											FY13 BU
8	Banded Sea Winds	Zhang Zhang	8)	Sent templates and sample ORR checklist																											FY13 BU
9	HIRS FCDR	Menzel Young	9)	Code looks easy to run																											FY13 BU
10	Cloud/ Moisture Bundle	Menzel Young	10)	PI only sending code for CTP and TPW not data; Cao work for N6, 7, 8 calibration																											Nov 2013
11	Ocean Surface Bundle	Clayson Zhang	11)	This bundle will still break out into several CDRs																											Nov 2013
12	ISCCP	Rossow Knapp	12)	PI not ready	On hold until funding																								FY14		
13	OLR Daily	HT Lee Shi	13)	x																									Dec 2013		
14	Vegetation (Sfc Reflectance)	Vermote Matthews	14)	PI updated code and metadata based on feedback provided (still needs a lot of work)																											Dec 2013
15	Vegetation (NDVI)	Vermote Matthews	15)	PI started SA process in ATRACS. Pierre is filling in for Jessica; IPT will provide feedback to PI at next IPT meeting (5/31)																											Dec 2013
16	MSU/AMSU Temp Suite	Ho Shi	16)	PI requested 1 yr ext																									FY14		
17	AVHRR FCDR (5 chs, 4 chs)	Minnis Young	17)																										Mar 2014		
18	Cryosphere (APP FCDR)	Key Peng	18)	Can provide NRT updates (3 day lag)																											Jun 2014
19	Cryosphere (APP-x TCDR)	Key Peng	19)	x																									Jun 2014		
20	Stratospheric Ozone	Rosenlof ?	20)	SOW sent to PI																											FY14
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Other CDR Items

- **Fair Use Statements**
 - Sent request to SMEs asking what to use for the citation (due 5/22)
 - **Received all 13**
 - **Sent to John to add to the website**
- **C-ATBD deviations for operational CDRs**
 - PATMOS-x (complete)
 - HIRS Clear-sky CH12 Brightness Temp (complete)
 - OISST (June)
 - GEO IR Brightness Temp (Sept)

SCHEDULE OF DELIVERABLES - CDRP 2012 O&M Contracts and Grants

Name of PI/Institution	Applications	Implementa tion Plan	Main Update	Routine updates	QA Tools/Process	IP License	CDRP action required?
Christy, J./UAH	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	11/7/2012 CDRP-PLAN-0296	To be coordinated with CDRP, new version - should deliver Aug/Sep	Monthly/8th day of the succeeding month - once delivered	Will need to submit his procedure as part of his new version	YES	YES CH - monitor CR deliveries, SA updates
Evans, B./UM (CICS-NC)	- <i>El Nino/La Nina Prediction</i> - <i>Coral Reef Monitoring</i> - <i>IMPACT</i>	9/12/2012 CDRP-PLAN-0290	Received 2011, will receive 2012 in June 2013	Monthly/10th day of the succeeding month	10/23/2012	NO	No
Heidinger, A./NOAA-STAR	- <i>Global Cloud Coverage</i> - <i>Agriculture Assessment</i>	8/16/2012 CDRP-PLAN-0223	Will be delivering entire POR re-processed in netCDF format	Daily/Within 7days of the observation date	9/1/2012	N/A	YES CH - monitor progress with needed changes in the SA
Ho, B./UCAR	- <i>Upper Air Climate Monitoring</i> - <i>GPS Accuracy</i>	11/5/2012 CDRP-PLAN-0294 (CH9) CDRP-PLAN-0295 (CH7)	To be coordinated with CDRP, new version	Quarterly/10th day of the month following the end of the quarter	12/17/2012	YES	YES CH - monitor progress with needed changes in the SA
Mears, C./RSS (CICS-NC)	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	10/30/2012 CDRP-PLAN-0301	1/15/2013	Monthly/8th day of the succeeding month	12/15/2012	YES	No
Meier, W./U of CO	- <i>Arctic Shipping Routes</i> - <i>Wildlife Management</i> - <i>IMPACT</i>	11/1/2012 CDRP-PLAN-0285	4/30/2013	Quarterly/within 30days of each RSS data delivery	12/1/2012	YES	YES CH - monitor progress with final delivery
Robinson, D./Rutgers	- <i>Climate Monitoring</i> - <i>Water Resource Management</i>	10/11/2012 CDRP-PLAN-0297	N/A	Monthly/5th day of the succeeding month	11/10/2012	YES	No
Wentz, F./RSS (CICS-NC)	- <i>Precipitation Patterns</i> - <i>Hurricane Intensity Estimates</i>	11/1/2012 CDRP-PLAN-0308	To be coordinated with CDRP, new version	Monthly/10th day of the succeeding month	Will need to submit his procedure as part of his new version	YES	YES JP - contact Wentz about waiver and disclaimer

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VIIRS

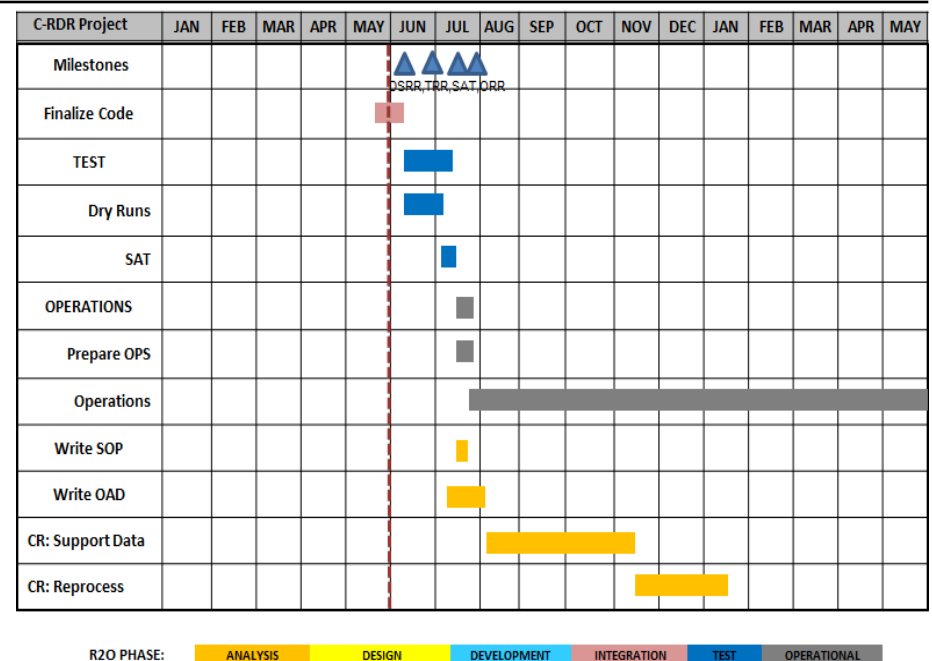
①

- Completed code for C-RDR.

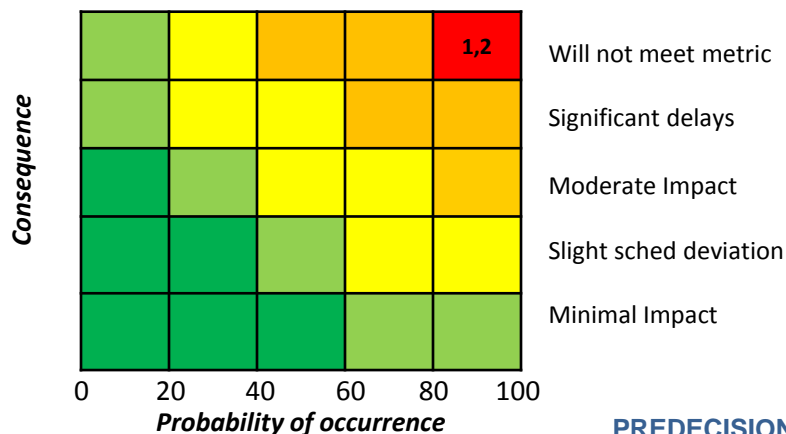
②

System Infrastructure

- Integrating with the VIIRS C-RDR.
- TEST container is accessible and C-RDR is being built.**
- Finalizing code cleanup.**
- C-RDR is configured and running in DEV.**
- C-RDR is first product moving to three tier environment so steps are documented as they occur.
- Initial verification of SDR from C-RDR compared successfully.
- Draft System Acceptance Test procedure completed.
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

Reliability of Blade Center administration support. ITB admin position remains unfilled. ITB is working to fill the position.

PREDECISIONAL DRAFT INFORMATION

CDR Program Office

OISST Research to Operations Project

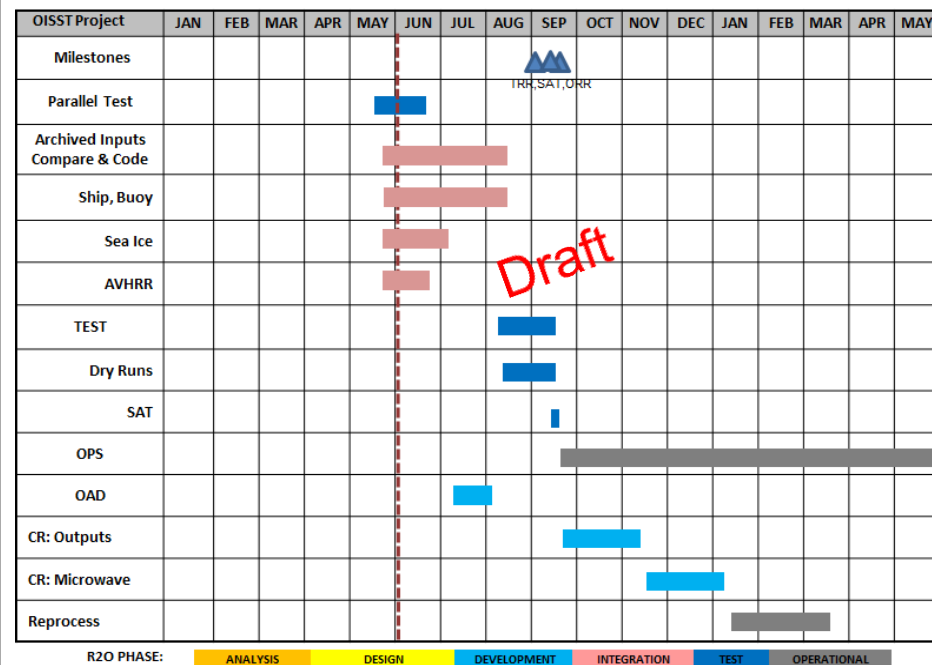
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1 OISST – Optimum Interpolated Sea Surface Temperature

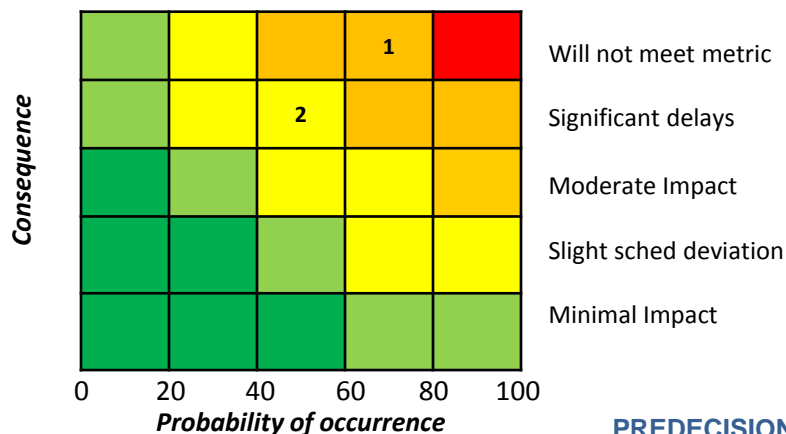
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is working to resolve some identified differences.
- Started comparing NSIDC Sea Ice with NCEP data.
- Required AVHRR data is archived by CLASS, working to get access.
- Schedule will need to be re-accessed after input comparisons.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Developing tests (functional & component) to verify code.
- Conducted Technology Assessment Review July 25.

Operations:

- Updated and tested scripts to handle new sea ice data format.



Risk Matrix



Risk and Mitigation

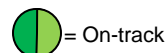
1 Transition to archived inputs for 15 day delay (final) product requires scientific comparison. Schedule depends on successful comparison for transition implementation. **Will make an assessment of best way forward after initial comparisons.**

2 ITB support is required to move through the three tier environment.

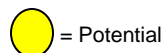
3 Primary focus is the climate quality product. If preliminary product is required will require resources. **Removed this risk. Focus is on climate quality product .**

PREDECISIONAL DRAFT INFORMATION

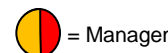
6/3/2013



= On-track



= Potential management action required



= Management attention required